

ABSTRACT

A fuel fractionation method which can suitably control a state of a fuel at a time of fractionating the fuel in an internal combustion engine, which ~~comprises~~ includes the steps of applying an operation for promoting a fractionation of a fuel of an engine [(1)] to a fractionation passage [(21)] while making the fuel flow to the fractionation passage [(21)], thereby fractionating the fuel into a gas phase fuel and a liquid phase fuel within the fractionation passage [(21)], conducting the fractionated gas phase fuel and the fractionated liquid phase fuel to a branch point [(21c)] of the fractionation passage [(21)], and separating the gas phase fuel and the liquid phase fuel to a gas phase passage [(23)] and a liquid phase passage [(22)], respectively due to gravity.